



OPERATING PERMIT (Conditional Major) Issued Pursuant to Tennessee Air Quality Act

Date Issued:

Permit Number:

454673

Date Expires: August 1, 2012

Issued To:

Wright Paving Contractors, Inc.

Installation Address:

600 Darnell Mealer Road
Lewisburg

Installation Description:

Source 01 Portable Drum Mix Asphalt Plant
with Baghouse Control

Emission Source Reference No.

59-0079
NSPS
CONDITIONAL MAJOR SOURCE

The holder of this permit shall comply with the conditions contained in this permit as well as all applicable provisions of the Tennessee Air Pollution Control Regulations.

GENERAL CONDITION:

1. The application that was utilized in the preparation of this permit is dated August 2, 2001 and signed by Mr. Grady Wright, Plant Superintendent for the permitted facility. If this person terminates his employment or is reassigned different duties such that he is no longer the responsible person to represent and bind the facility in environmental permitting affairs, the owner or operator of this air contaminant source shall notify the Technical Secretary of the change. Said notification shall be in writing and submitted within thirty (30) days of the change. The notification shall include the name and title of the new person assigned by the source owner or operator to represent and bind the facility in environmental permitting affairs. All representations, agreement to terms and conditions and covenants made by the former responsible person that were used in the establishment of limiting permit conditions on this permit will continue to be binding on the facility until such time that a revision to this permit is obtained that would change said representations, agreements and covenants.

(conditions continued on next page)

TECHNICAL SECRETARY

No Authority is Granted by this Permit to Operate, Construct, or Maintain any Installation in Violation of any Law, Statute, Code, Ordinance, Rule, or Regulation of the State of Tennessee or any of its Political Subdivisions.

NON TRANSFERABLE

POST AT INSTALLATION ADDRESS

2. The permittee has elected to opt-out of being issued a major source operating permit pursuant to Division Rule 1200-3-9-.02(11)(a). The permittee would be considered a major source because their current "potential to emit" for sulfur dioxide and carbon monoxide is greater than 100 tons per year of each at the time of application. The permittee has agreed to be subject to the following limitations in order to be below the major source applicability threshold for sulfur dioxide and carbon monoxide of 100 tons per year of each.
3. Any non-compliance with any condition(s) of this permit set to restrain the "potential to emit" below the applicability thresholds of 1200-3-9-.02(11) of the Tennessee Air Pollution Control Regulations, shall be reported in writing to the Technical Secretary within three (3) working days of such discovery. This notification, at a minimum, shall include the identification of the source(s), identification of the permit condition(s) violated and details of the non-compliance (violation).
4. The permittee is placed on notice that **Conditions 7, 8 and 9** of this permit contain limitations that allow the permittee to opt-out of the major source operating permit program requirements specified in Division Rule 1200-3-9-.02(11). Failure to abide by these limits will not only subject the permittee to enforcement action by the State of Tennessee, but it may also result in the imposition of Federal enforcement action by the United States Environmental Protection Agency and the loss of being Federally recognized as a conditional major source.

Compliance with **Conditions 7, 8 and 9** assures that the source will be below the major source applicability thresholds for sulfur dioxide and carbon monoxide of 100 tons per year of each. This assurance is based on AP-42 Chapter 11, Section 1 (Hot Mix Asphalt Plants, dated December, 2000), and Chapter 1, Section 3 (Fuel Oil Combustion, dated September, 1998) from which the emission factors were used to calculate emissions as shown below:

based on: AP-42 Chapter 11 Section 1	Parameter	based on use of fuel oil as fuel			based on use of natural gas as fuel		
		Emission Factor lb/ton	Emissions without limiting conditions, ton/yr	Emissions with limiting conditions, ton/yr	Emission Factor lb/ton	Emissions without limiting conditions, ton/yr	Emissions with limiting conditions, ton/yr
	SO ₂	See next table			0.0034	4.47	0.26
	CO	0.13	170.8	9.8	0.13	170.8	9.8

based on: AP-42 Chapter 1 Section 3	Parameter	Type of Fuel Oil	Emission Factor, lb/1000 gal	Emissions without limiting conditions, ton/yr	Emissions with limiting conditions, ton/yr	Remarks
	SO ₂	#2	142(S)	188.5*	10.8*	S is the fuel sulfur content, in percent (by weight).

* The emissions shown are the maximum possible based on the maximum fuel sulfur content, S, allowed by **Condition 9**.

5. A report stating the compliance status of this source or facility with **Conditions 7, 8 and 9** shall be submitted by March 31 of every year starting in 2003. This report shall cover the preceding calendar year and shall include the records required by **Condition 11**. This report shall be mailed to the following address:

Columbia Environmental Assistance Center
Division of Air Pollution Control
2484 Park Plus Drive
Columbia, TN 38401

6. Should proof of compliance for the pollutant with emission limitations on this permit, fuel composition, or other parameters be required, the emissions measuring test method(s) and procedure(s) are the following:

Pollutant or Parameter	Testing Methodology
Particulate Matter	EPA Method 5 as published in the current 40 CFR 60, Appendix A
Sulfur Dioxide	EPA Method 8 as published in the current 40 CFR 60, Appendix A
Sulfur Content of Fuel Oil	EPA Method 19 as published in the current 40 CFR 60, Appendix A
Carbon Monoxide	EPA Method 10 as published in the current 40 CFR 60, Appendix A

7. Production rate for this source shall not exceed 300 tons of asphalt per hour on a daily average basis and 150,000 tons during any period of twelve (12) consecutive months. Compliance with these requirements shall be indicated by the records required by **Condition 11**.

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8. Usage of fuel oil shall not exceed 606 gallons per hour on a daily average basis. Compliance with this requirement shall be indicated by the records required by **Condition 11**.
9. The sulfur content of the fuel oil shall not exceed 0.5 percent by weight. Compliance with this requirement may be assured by providing an analysis of each fuel oil shipment, or by providing a statement from the vendor that all fuel oil sold to the company will contain no more than 0.5 percent sulfur by weight. These records must be maintained at the source location and kept available for inspection by the Technical Secretary or his representative. These records must be retained for a period of not less than five (5) years.
10. Only No. 2 fuel oil and natural gas shall be used as fuels for this source.
11. A record of the operating hours, fuel oil usage and asphalt production at this facility, in a form that readily provides the information required in the following tables, shall be maintained at the source location and kept available for inspection by the Technical Secretary or his representative. This record shall be retained for a period of not less than five (5) years.

Monthly Log		Month:		Year:	
Date	Hours of operation	Fuel oil usage (gal)	Fuel oil usage rate (gal/hr)	Asphalt production (tons)	Asphalt production rate (ton/hr)
1					
2					
3					
:					
:					
:					
31					
Total asphalt production for month:					

12-Month Log		
Month/Year	Asphalt production (tons)	Asphalt production (tons/12-month)*

* The tons/12-month value is the sum of the asphalt produced (tons) in the 11 months preceding the month just completed plus the asphalt produced in the month just completed.

12. Sulfur dioxide (SO₂) emissions from this source shall not exceed 43.03 pounds per hour. Based on this hourly rate and the production limitations of **Condition 7**, sulfur dioxide emitted from this source shall not exceed 10.8 tons per year. Compliance with these requirements shall be demonstrated by compliance with **Conditions 7, 8 and 9**.
- This emission limitation is established pursuant to Rule 1200-3-9-.02(11)(a) of the Tennessee Air Pollution Control Regulations.
13. Carbon monoxide (CO) emissions from this source shall not exceed 39.0 pounds per hour. Based on this hourly rate and the production limitations of **Condition 7**, carbon monoxide emitted from this source shall not exceed 9.8 tons per year. Compliance with this requirement shall be demonstrated by compliance with **Conditions 7 and 8**.
- This emission limitation is established pursuant to Rule 1200-3-9-.02(11)(a) of the Tennessee Air Pollution Control Regulations.
14. Nitrogen oxides (NO_x) emissions from this source shall not exceed 16.5 pounds per hour (4.1 tons per year). Compliance with this requirement may be assured by compliance with **Conditions 7 and 8**.
- This emission limitation is established pursuant to Rule 1200-3-7-.07(1) of the Tennessee Air Pollution Control Regulations.
15. Volatile organic compounds (VOC) emissions from this source shall not exceed 9.6 pounds per hour (2.4 tons per year). Compliance with this requirement may be assured by compliance with **Conditions 7 and 8**.
- This emission limitation is established pursuant to Rule 1200-3-7-.07(1) of the Tennessee Air Pollution Control Regulations.

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16. Total particulate matter (TSP) emitted from this source shall not exceed 0.04 grains per dry standard cubic foot (gr/dscf) or 7.2 pounds per hour (1.8 tons per year). Compliance with these requirements shall be demonstrated by compliance with **Conditions 7 and 17**.

This emission limitation is established pursuant to Rule 1200-3-16-.08(3)(a) of the Tennessee Air Pollution Control Regulations.
17. The fabric filter air pollution control device must operate at all times when this source is operating.
18. Visible emissions from roads and parking areas shall not exceed ten (10) percent opacity utilizing Tennessee Visible Emissions Evaluation (TVEE) Method 1, as adopted by the Tennessee Air Pollution Control Board on April 29, 1982, as amended on September 15, 1982, and as amended on August 24, 1984.
19. Visible emissions from this source not covered by **Condition 18** shall not exceed twenty (20) percent opacity as determined by EPA Method 9, as published in the Federal Register, Volume 39, Number 219 on November 12, 1974. (6-minute average)
20. Fugitive emissions from this source shall be controlled as specified in Rule 1200-3-8-.01. Specifically, no person shall cause, suffer, allow, or permit fugitive dust to be emitted in such manner to exceed five (5) minutes per hour or twenty (20) minutes per day as to produce a visible emission beyond the property line of the property on which the emission originates, excluding malfunction of equipment as provided in Chapter 1200-3-20. Fugitive emissions from this source shall be determined by Tennessee Visible Emissions Evaluation (TVEE) Method 4 as adopted by the Tennessee Air Pollution Control Board on April 16, 1986.
21. Reasonable precautions must be taken to prevent the generation of fugitive dust as these precautions are defined in Rule 1200-3-8-.01 in the Tennessee Air Pollution Control Regulations.
22. Upon the malfunction/failure of emission control device(s) serving this source, the operation of the process(es) served by the device(s) shall be regulated by Chapter 1200-3-20 of the Tennessee Air Pollution Control Regulations.
23. Routine maintenance, as required to maintain specified emission limits, shall be performed on the air pollution control devices. Maintenance records shall be recorded in a suitable permanent form and kept available for inspection by the Division. These records must be retained for a period of not less than five (5) years.
24. This permit is valid only at this location.
25. The permittee shall apply for renewal of this permit not less than sixty (60) days prior to the permit's expiration date.

(end of conditions)